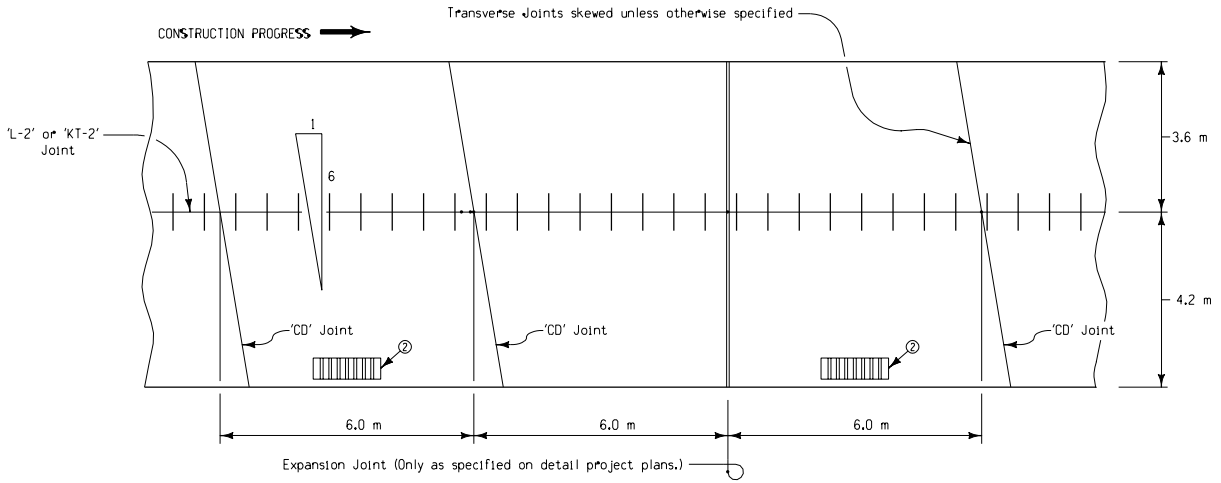
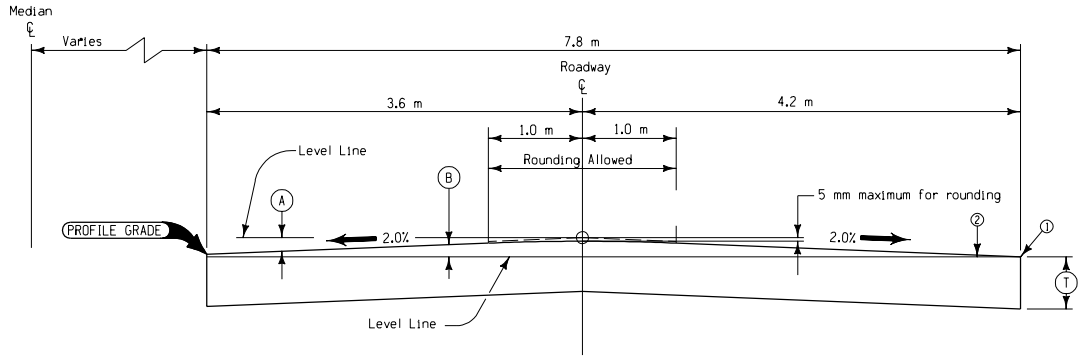


TYPICAL PAVEMENT PLAN



TYPICAL CROSS SECTION

OFFSETS FOR PAVEMENT CROWN									
Pavement Width	Distance from ℄		0 m	1.0 m	2.0 m	3.0 m	3.6 m	4.0 m	4.2 m
7.8 m	(A)	mm	0	20	40	60	72	80	84
7.8 m	(B)	mm	84	64	44	24	12	4	0

PER STATION DESIGN VALUES FOR PAVEMENT SECTION									
WIDTH	ITEM	UNIT	T=240	T=250	T=260	T=270	T=280	T=290	T=300
7.8 m	Section Area	m^2	1.872	1.950	2.028	2.106	2.184	2.262	2.340
	Concrete Volume	m^3	187.2	195.0	202.8	210.6	218.4	226.2	234.0
	Surface Area	m^2	780	780	780	780	780	780	780

GENERAL NOTES:

Details indicated on this plan illustrate the general requirements for a 7.8 m wide two–lane PCC pavement for new construction, inlay or reconstruction. Unless specifically authorized, the methods and materials used in the construction of this pavement shall be in conformance with current specifications for Concrete Pave–ment. Refer to individual project plans for specific dimensional requirements and other details of pavement construction.

Refer to Standard Road Plans RH–50, 51 and 52 for details of construction of joints in pavement. Joint layout shall be skewed as shown (6:1 right ahead), except at locations specifically de–signated by the Engineer. End of day's work joint and joints at bridge approach section shall be constructed perpendicular to center line.

Normal crown shall be a straight line sloped from the profile grade for the distance and rate indicated. This crown may be varied through superelevated curves and intersection areas where special shaping is required or other areas specifically authorized by the Engineer.

The dimensions shown are for the purpose of defining the sur–face of the proposed pavement. This surface may be tilted with respect to a level line. Refer to typical section and/or Resident Construction Engineer's large scale layout for specific details and form grade elevations.

The price bid for "Standard or Slip–Form PCC pavement" class and thickness as specified, in square meters including all required joints shall be considered full compensation for the construction of pavement as detailed hereon.

(1) Edge radius shall be 5 millimeters except if pavement abuts on adjacent pavement, then use 3 millimeters.

(2) See Standard Road Plan RH–41D for rumble strip details.

All dimensions given in millimeters unless noted.

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RH–53

REVISION: Added 240mm thick pavement to Design Table.

REVISION NO. 7

Mitchell J. Dillavou 12-05-00
APPROVED BY DESIGN METHODS ENGINEER

REVISION DATE 04-03-01

FOUR-LANE DIVIDED ROADWAY
7.8 m P.C. CONCRETE PAVEMENT